# Notice No. 8

## Rules and Regulations for the Classification of Offshore Units, July 2014

The status of this Rule set is amended as shown and is now to be read in conjunction with this and prior Notices. Any corrigenda included in the Notice are effective immediately.

## Issue date: June 2015

| Amendments to | Effective date |
|---|---|
| Part 7, Chapter 2, Section 5 | 1 July 2015 |

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# Part 7, Chapter 2

# Hazardous Areas and Ventilation

**Effective date 1 July 2015**

## ■ *Section 5* **Machinery in hazardous areas**

### 5.1 General

*5.1.2* Where it is considered necessary for mechanical equipment or machinery to be installed in a hazardous area, it is to be constructed and installed so as to reduce the risk of sparking due to friction between moving parts or the formation of static electricity, or to ignition due to exposed high-temperature exhausts, etc. Electrical equipment shall comply with Section 8.

Non-electrical equipment or machinery shall comply with the appropriate parts of EN 13463 Series *Non-electrical equipment for use in potentially explosive atmospheres',* alternatively protection by installation in a pressurised enclosure complying with IEC 60079-2 *Electrical apparatus for explosive.*

Oil engines (Internal combustion engines) shall normally be located in non-hazardous (safe) areas. Where it is considered necessary for internal combustion engines to be located in a Zone 2 hazardous area the engine and installation shall comply with Section 7 of this Chapter. Oil engines are not permitted in Zone 0 and Zone 1 hazardous areas on offshore installations.

Where it is considered necessary to install gas turbines in hazardous areas guidance shall be obtained from relevant International or National Standard(s) such as ISO 21789 - *Gas turbine applications – Safety.*

*5.1.3* Air compressors are not, in general, to be installed in hazardous areas. However, where this is not practicable, such installation may be accepted provided that the air inlet is from a non-hazardous area in accordance with 6.4, and that the inlet ducting is fitted with suitable gas detectors arranged to give an audible and visual alarm and to shut down the compressor in the event of flammable and/or toxic gases entering the air inlet. Any mechanical equipment or machinery installed in a hazardous area shall comply with 5.1.2.

*5.1.4* Fans located in hazardous areas are to be of the non-sparking type and comply with EN 14986:2007 *Design of fans working in potentially explosive atmospheres* or alternative relevant International or National Standard.

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